IN THE CLAIMS

Please cancel Claims 51-56 without prejudice or disclaimer of the subject matter thereof.

47.   (Currently amended) An isolated equine influenza nucleic acid molecule selected from the group consisting of:

a.   an isolated nucleic acid molecule that encodes a protein comprising an amino acid sequence selected from the group consisting of SEQ ID NO:2, SEQ ID NO:5, SEQ ID NO:8, SEQ ID NO:11, SEQ ID NO:14, SEQ ID NO:17, SEQ ID NO:20, SEQ ID NO:24, SEQ ID NO:45, SEQ ID NO:48, SEQ ID NO:51, SEQ ID NO:55, SEQ ID NO:58, SEQ ID NO:63, SEQ ID NO:66, SEQ ID NO:69, SEQ ID NO:77, SEQ ID NO:81, SEQ ID NO:86, SEQ ID NO:89, SEQ ID NO:92, SEQ ID NO:95, SEQ ID NO:104 and SEQ ID NO:107; and

b.   an isolated nucleic acid molecule fully complementary to a nucleic acid molecule of (a);

wherein said nucleic acid molecule of (a) or (b) is not an entire equine influenza virus genome.

48.   (Currently amended) The nucleic acid molecule of Claim 47, wherein said nucleic acid molecule comprises a nucleic acid sequence selected from the group consisting of SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:4, SEQ ID NO:6, SEQ ID NO:7, SEQ ID NO:9, SEQ ID NO:10, SEQ ID NO:12, SEQ ID NO:13, SEQ ID NO:15, SEQ ID NO:16, SEQ ID NO:18, SEQ ID NO:19, SEQ ID NO:21, SEQ ID NO:22, SEQ ID NO:23, SEQ ID NO:25, SEQ ID NO:44, SEQ ID NO:46, SEQ ID NO:47, SEQ ID NO:49, SEQ ID NO:50, SEQ ID NO:52, SEQ ID NO:53, SEQ ID NO:54, SEQ ID NO:56, SEQ ID NO:57, SEQ ID NO:59, SEQ ID NO:62, SEQ ID NO:64, SEQ ID NO:65, SEQ ID NO:67, SEQ ID NO:68, SEQ ID NO:70, SEQ ID NO:71, SEQ ID NO:76, SEQ ID NO:78, SEQ ID NO:79, SEQ ID NO:80, SEQ ID NO:82, SEQ ID NO:85, SEQ ID NO:87, SEQ ID NO:88, SEQ ID NO:90, SEQ ID NO:91, SEQ ID NO:93, SEQ ID NO:94, SEQ ID NO:96, SEQ ID NO:103, SEQ ID NO:105, SEQ ID NO:106 and SEQ ID NO:108 and a nucleic acid molecule comprising a nucleic acid sequence which is fully complementary to any of said nucleic acid sequences.

49.   (Previously presented) A nucleic acid molecule of Claim 47, wherein said nucleic acid molecule encodes a protein.

50.   (Currently amended) A nucleic acid molecule of Claim 47, wherein said nucleic acid molecule encodes a protein selected from the group consisting of Pei₁₄₃M₃₅₂, Pei₁₀₁HA₅₆₅,

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Pei$_{cat}$PB2-N$_{466}$-Pei$_{cat}$PB2-C$_{695}$, Pei$_{cat}$PB2$_{750}$, Pei$_{cat}$NS$_{230}$, Pei$_{cat}$PB1-N$_{195}$, Pei$_{cat}$PA-G$_{390}$, Pei$_{cat}$PB1-C$_{399}$, Pei$_{cat}$PB1-C$_{466}$, and Pei$_{cat}$PB1$_{757}$.

51.   (Canceled)

52.   (Canceled)

53.   (Canceled)

54.   (Canceled)

55.   (Canceled)

56.   (Canceled)